PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Toshiya Yoshimune, et al. Dkt. No: 11342.

Appln. No.: Divisional of 08/905,655 Group Art Unit: unknown

Filed: August 31, 2001 Examiner: unknown

Title: Book Data Service System With Data Delivery By Broadcasting

Honorable Commissioner of Patents
Washington, DC 20231

PRELIMINARY AMENDMENT

Sir:

Prior to examination, please amend the application as follows.

In the Specification

Immediately preceding line 1, on page 1 of the above-identified application, add the following paragraph:

This is a divisional of Serial No. 08/905,655 filed August 4, 1997 which was a continuation of Serial No. 08/270,030, filed July 1, 1994, all assigned to the Assignee of the present application.

In the claims:

Please amend claims 1, 12 and 20 as follows:

1. (Amended) A book data service system, comprising:

at least one data center including:

a data center computer for storing and managing book data available in the book data service system; and

a broadcasting facility for broadcasting all the book data stored and managed by the data center computer according to cg. prescribed communication protocol, without requiring any requests from users, the prescribed communication protocol being based on prescribed synchronization control and error correction scheme for realizing data delivery by broadcasting the book data without a confirmation signal; and

a plurality of user terminals, each user terminal including:

a broadcast receiver for receiving the book data broadcasted from the broadcasting facility of the data center;

a user terminal computer for selectively storing and managing the book data received by the broadcast receiver; and

a display device for displaying the book data selectively stored and managed by the user terminal computer;

wherein the book center further includes a data center side communication device for enabling one-to-one communication with each user terminal through a communication network, a remote record Inspection unit for inspecting a book data service utilization record at each user terminal through the data center side

communication device, and a charging unit for charging said each user terminal according to the book data service utilization record Inspected by the remote record inspection unit.

12. (Amended) The book data service system of claim 1, wherein:

each user terminal further includes a user terminal side communication device for enabling one-to-one communication with the data center through the communication network, an inspection unit for inspecting whether the book data stored by the user terminal computer and selected by a user is enciphered or not, and a deciphering request unit for requesting a deciphering of enciphered book data to be user terminal side communication device when the inspection unit finds the enciphered book data and obtaining deciphered book data from the user terminal side communication unit; and

the user terminal side communication device contains a communicating unit for making one-to-one communication with the data center through the communication network, a deciphering unit for deciphering the enciphered book data requested by the deciphering request unit and returning the deciphered book data to the deciphering request unit, a recording unit for recording the book data service utilization record whenever the deciphering unit deciphers the enciphered book data, and a returning unit for returning the book data service utilization record recorded by the recording unit through the communicating unit to the remote record inspection unit.

20. (Amended) A method for providing a book data service, comprising the steps of:

storing and managing book data available In the book data service on a data center side by a data center computer of a data center;

broadcasting all the book data stored and managed by the data center computer according to a prescribed communication protocol, without requiring any requests from users, the prescribed communication protocol being based on a prescribed synchronization control and error correction scheme for realizing data delivery by broadcasting the book data without a confirmation signal;

receiving the book data broadcasted from the data center at a user terminal;

selectively storing and managing the book data on a user terminal side by a user terminal

computer of the user terminal;

displaying the book data selectively stored and managed by the user terminal computer on a display in an image of a book;

inspecting a book data service utilization record at each user terminal from a remote record inspection unit of the data center using a data center side communication device of the data center for enabling one-to-one communication with each user terminal through a communication network; and

charging said each user terminal from the data center according to the book data service utilization record inspected by the remote record inspection unit.

Please cancel claims 2-11 and 15 - 19.

CONCLUSION

The applicant submits that the claims are in condition for allowance. Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the number set forth below.

Respectfully submitted,
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

Claims 1, 12 and 20 have been amended as follows:

1. (Amended) A book data service system, comprising:

at least one data center including:

a data center computer for storing and managing book data available in the book data service system; and

a broadcasting facility for broadcasting all the book data stored and managed by the data center computer according to cg. prescribed communication protocol, without requiring any requests from users, the prescribed communication protocol being based on prescribed synchronization control and error correction scheme for realizing data delivery by broadcasting the book data without a confirmation signal; and

a plurality of user terminals, each user terminal including:

a broadcast receiver for receiving the book data broadcasted from the broadcasting facility of the data center;

a user terminal computer for selectively storing and managing the book data received by the broadcast receiver; and

a display device for displaying the book data selectively stored and managed by the user terminal computer;

wherein the book center further includes a data center side communication device for enabling one-to-one communication with each user terminal through a

communication network, a remote record Inspection unit for inspecting a book data service utilization record at each user terminal through the data center side communication device, and a charging unit for charging said each user terminal according to the book data service utilization record Inspected by the remote record inspection unit.

12 .(Amended) The book data service system of claim [11] 1, wherein:

each user terminal further includes a user terminal side communication device for enabling one-to-one communication with the data center through the communication network, an inspection unit for inspecting whether the book data stored by the user terminal computer and selected by a user is enciphered or not, and a deciphering request [means] unit for requesting a deciphering of enciphered book data to be user terminal side communication [means] device when the inspection unit finds the enciphered book data and obtaining deciphered book data from the user terminal side communication unit; and

the user terminal side communication device contains a communicating unit for making one-to-one communication with the data center through the communication network, a deciphering unit for deciphering the enciphered book data requested by the deciphering request unit and returning the deciphered book data to the deciphering request unit, a recording unit for recording the book data service utilization record whenever the deciphering unit deciphers the enciphered book data, and a returning unit for returning the book data service utilization record recorded by the recording unit through the communicating unit to the remote record inspection unit.

20. (Amended) A method for providing a book data service, comprising the steps of:

storing and managing book data available In the book data service on a data center side by a data center computer of a data center;

broadcasting all the book data stored and managed by the data center computer according to a prescribed communication protocol, without requiring any requests from users, the prescribed communication protocol being based on a prescribed synchronization control and error correction scheme for realizing data delivery by broadcasting the book data without a confirmation signal;

receiving the book data broadcasted from the data center at [each] a user terminal;

selectively storing and managing the book data on a user terminal side by a user terminal

computer of the user terminal;

displaying the book data selectively stored and managed by the user terminal computer on a display in an image of a book;[.]

inspecting a book data service utilization record at each user terminal from a remote record inspection unit of the data center using a data center side communication device of the data center for enabling one-to-one communication with each user terminal through a communication network; and

charging said each user terminal from the data center according to the book data service

utilization record inspected by the remote record inspection unit.